

14

Revised Claims

5 Claim 1. (currently amended) A rechargeable, alkaline battery including an anode electrode, a cathode electrode, said electrodes being separated by a stack of at least 2 hydrogen permeable regenerated cellulose films, at least one of the films containing a dispersion of salt particles and the films including domains permeable to hydrogen gas.

10 Claim 2. (Canceled)

Claim 3. (Canceled)

15 Claim 4. (currently amended): A battery according to Claim 3 1 in which the anode electrode contains zinc and one of the regenerated cellulose films contains a dispersion of copper salt particles.

20 Claim 5. (original): A battery according to Claim 4 further including a film of regenerated cellulose containing a dispersion of particles of metal sulfide that react with copper ions to form copper sulfide.

25 Claim 6. (currently amended): A battery according to Claim 3 1 in which the cathode electrode contains silver and one of the regenerated cellulose films contains a dispersion of fluoride salt particles.

Claim 7. (original): A battery according to Claim 1 in which the stack of regenerated cellulose films further includes at least one hydrogen permeable layer of hydrocarbon polymer.

30 Claim 8. (original): A battery according to Claim 7 containing 1-5 layers of the hydrocarbon polymer.

Claim 9. (currently amended): A battery according to Claim 2 1 in which the stack contains at least one hydrogen-permeable regenerated cellulose film absent salt particles.

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Claim 10. (original): A battery according to Claim 9 in which the regenerated cellulose film absent salt particles is disposed between the copper salt containing regenerated cellulose file and the anode.

5 Claim 11. (original): A battery according to Claim 5 in which the copper salt containing regenerated cellulose film is disposed between the metal sulfide salt containing regenerated cellulose film and the fluoride salt particles containing regenerated cellulose film.

10 Claim 12. (original): A battery according to Claim 8 in which a layer of hydrogen permeable hydrocarbon polymer is disposed between the copper salt containing regenerated cellulose film and the metal sulfide containing regenerated cellulose film.

15 Claim 13. (original): A battery according to Claim 8 in which the hydrocarbon polymer is a polyalkylene of a monomer containing 2-8 carbon atoms.

Claim 14. (original): A battery according to Claim 13 in which the hydrocarbon polymer is selected from the group consisting of polyethylene and polypropylene.

20 Claim 15. (original): A battery according to Claim 1 in which the films have a thickness from 10 to 250 microns.

Claim 16. (currently amended): A battery according to Claim 3 1 in which the regenerated cellulose film contains from 10 to 80 parts by weight of the hydrogen permeable domains based on 100 parts of regenerated cellulose.

25 Claim 17. (original): A battery according to Claim 16 in which the domains comprise a cellulose ether.

Claim 18. (original): A battery according to Claim 17 in which the ether is ethyl cellulose.

30 Claim 19. (currently amended): A battery according the to Claim 6 in which the regenerated cellulose file adjacent the cathode contains a dispersion of a fluoride salt have a

16

solubility of from 10 μ g/ml to 10mg/ml.

Claim 20. (original): A battery according to Claim 4 in which the copper salt has a solubility from 10 μ g/ml to 10mg/ml.

5 Claim 21. (original): A battery according to Claim 5 in which the metal sulfide has a solubility of less than 1 μ g/ml.